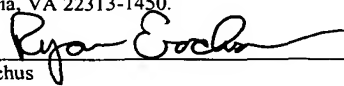


**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Susumu Mizuhara, et al.  
Serial No.: Unknown  
Filed: Unknown  
For: SENSOR USING  
RADIATION PULSES  
(before amendment)  
Group Art Unit: Unknown  
Examiner: Unknown  
Attorney Docket: OMRN P022D1

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on July 11, 2003 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV334022119US, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Ryan Eachus

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. §1.56 AND §§1.97-1.98**

Commissioner for Patents  
Alexandria, Virginia 22313

Sir:

The citation listed on the enclosed PTO-1449 Form is submitted under 37 C.F.R. §§1.97 and 1.98, and in compliance with the duty of disclosure as defined in 37 C.F.R. §1.56. The Examiner is requested to make this citation officially of record in the application. This Information Disclosure Statement is being submitted simultaneously with the filing of the above-referenced patent application.

The cited document is in a foreign language. Computer-generated translation of this document into English is submitted pursuant to the requirement of 37 C.F.R. 1.98(a)(3)(ii).

This document is believed to be of interest to the examiner because its object is to reduce mutual interference between signals and to remove effects of scattered light from outside and it discloses setting symbols individually for photoelectric switches by means of a DIP switch, supplying modulated wave to light-emitting element corresponding according to

symbols, emitting modulated light signal from the light-emitting element, setting the same symbols at the light-receiving element, generating symbols based on the set symbols, providing its output to a correlating means and obtaining correlation with the input signal to distinguish between signal from the light-emitting element and external noise light.

This Information Disclosure Statement Under 37 C.F.R. §1.56 is not to be construed as a representation that any of the listed citations establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of any claim in the above-identified application. Additionally, this Information Disclosure Statement is not to be construed as a representation that a further search of the art has been made by Applicants, or that additional information relevant to the examination of this application does not exist unbeknownst to Applicants.

Respectfully submitted,



Keiichi Nishimura  
Registration No. 29,093

July 11, 2003  
BEYER WEAVER & THOMAS, LLP  
P.O. Box 778  
Berkeley, CA 94704-0778  
Telephone: (510) 843-6200  
Telefax: (510) 843-6203

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. OMRN P022D1 Applicant: Susumu Mizuhara, et al. Filing Date	Application No.:   Group

### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	J	S61-15421	01/23/86	JP			X	
	K							
	L							
	M							
	N							

### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	O	
	P	
	Q	
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.